

## **California Weather-Hydro Conditions during November 2011**

As of November 30, statewide hydrologic conditions were as follows: precipitation, 90 percent of average to date; runoff, 75 percent of average to date; and reservoir storage, 125 percent of average for the date. Sacramento River Region unimpaired runoff observed through November 30, 2011 was about 1.1 million acre-feet (MAF), which is about 77 percent of average. For comparison, on November 30, 2010, the observed Sacramento River Region unimpaired runoff through that date was about 1.4 MAF, or about 97 percent of average.

Temperatures in November were generally below average across California. In most of the northern portion of the State, precipitation was below average. Most areas of Southern California were wet, with some stations significantly above average.

On November 30, the Northern Sierra 8-Station Precipitation Index Water Year total was 6.5 inches, which is about 70 percent of the seasonal average to date and 13 percent of an average water year (50.0 inches). During November, the total precipitation for the 8-Stations was 2.6 inches, which is about 41 percent of the monthly average. Last year on November 30, the seasonal total for the 8-Stations was 15.5 inches, or about 167 percent of average for the date.

On November 30, the San Joaquin 5-Station Precipitation Index Water Year total was 4.0 inches, which is about 59 percent of the seasonal average to date and 10 percent of an average water year (40.8 inches). During November, the total precipitation for the 5-Stations was 1.5 inches, or about 32 percent of the monthly average. Last year on November 30, the seasonal total for the 5-Stations to date was 14.4 inches, or about 212 percent of average for the date.

Selected Cities Precipitation Accumulation as of 11/30/2011 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2011 - 2011 (in inches)	% Avg	Jul 1 to Date 2010 - 2010 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2011- 2012
Eureka	8.65	97	10.53	118	21
Redding	5.95	79	7.38	99	17
Sacramento	2.08	62	3.83	114	11
San Francisco	3.23	71	4.97	109	14
Fresno	1.57	83	2.24	119	14
Bakersfield	1.31	124	1.43	135	20
Los Angeles	2.33	119	2.15	110	18
San Diego	3.71	208	3.11	175	36

Key Reservoir Storage (1,000 AF) as of 11/30/2011								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,975	1,614	122	2,448	81	---	473
Shasta Lake	Sacramento	3,150	2,777	113	4,552	69	-102	1,402
Lake Oroville	Feather	2,807	2,192	128	3,538	79	-356	731
New Bullards Bar Res	Yuba	666	523	127	966	69	-130	300
Folsom Lake	American	481	467	103	977	49	-96	496
New Melones Res	Stanislaus	1,963	1,318	149	2,420	81	-7	457
Don Pedro Res	Tuolumne	1,579	1,311	120	2,030	78	-111	451
Lake McClure	Merced	672	449	150	1,025	66	-3	353
Millerton Lake	San Joaquin	299	218	137	520	57	-105	221
Pine Flat Res	Kings	553	376	147	1,000	55	-59	447
Isabella	Kern	168	150	112	568	30	-2	400
San Luis Res	(Offstream)	1,759	1,247	141	2,039	86	---	280

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for December 2011, issued November 30, 2011, suggests no tendency for above or below average rainfall for all regions of California.